1600
#C6644

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/658,621 ENTERED

CRF Processing Date: 1/31/2002
Edited by: _____
Verified by: _____ (STIC staff)

RECEIVED
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TECH CENTER 1600/2900

- ☐ Changed a fil from non-ASCII to ASCI
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☑ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 67
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: Th above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1600

RAW SEQUENCE LISTING DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

<110> APPLICANT: Taylor-Papadimitriou, Joyce
Heukamp, Lukas Carl
Offringa, Rienk
Melief, Cornelis Johanna Maria
Acres, Bruce
Thomas, Mireille
<120> TITLE OF INVENTION: MUC-1 derived peptides
<130> FILE REFERENCE: 029395-017
<140> CURRENT APPLICATION NUMBER: US 09/658,621
<141> CURRENT FILING DATE: 2000-09-08
<150> PRIOR APPLICATION NUMBER: US 60/187,215
<151> PRIOR FILING DATE: 2000-03-03
<150> PRIOR APPLICATION NUMBER: GB 9921242.5
<151> PRIOR FILING DATE: 1999-09-08
<150> PRIOR APPLICATION NUMBER: EP 99 40 2237.4
<151> PRIOR FILING DATE: 1999-09-10
<160> NUMBER OF SEQ ID NOS: 67
<170> SOFTWARE: PatentIn Ver. 2.1
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<213> ORGANISM: Homo sapiens
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<222> LOCATION: (58)..(1542)
<400> SEQUENCE: 1

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Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
  1               5                  10                  15
gtg ctt aca gtt gtt aca ggt tct ggt cat gca agc tct acc cca ggt     153
Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
             20                  25                  30
gga gaa aag gag act tcg gct acc cag aga agt tca gtg ccc agc tct     201
Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
         35                  40                  45
act gag aag aat gct gtg agt atg acc agc agc gta ctc tcc agc cac     249
Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
     50                  55                  60
agc ccc ggt tca ggc tcc tcc acc act cag gga cag gat gtc act ctg     297
Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
 65                  70                  75                  80
gcc ccg gcc acg gaa cca gct tca ggt tca gct gcc acc tgg gga cag     345
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RAW SEQUENCE LISTING DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

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65                  85                  90                  95
67 gat gtc acc tcg gtc cca gtc acc agg cca gcc ctg ggc tcc acc acc   393
68 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
69             100                 105                 110
71 ccg cca gcc cac gat gtc acc tca gcc ccg gac aac aag cca gcc ccg   441
72 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
73         115                 120                 125
75 ggc tcc acc gcc ccc ccg gcc cac ggt gtc acc tcg gcc ccg gac acc   489
76 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
77     130                 135                 140
79 agg ccg ccc ccg ggc tcc acc gcc ccc gcc gcc cac ggt gtc acc tcg   537
80 Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser
81 145                 150                 155                 160
83 gcc ccg gac acc agg ccg gcc ccg ggc tcc acc gcc ccc ccg gcc cac   585
84 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
85                 165                 170                 175
87 ggt gtc acc tcg gcc ccg gac aac agg ccg gcc ttg ggc tcc acc gcc   633
88 Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala
89             180                 185                 190
91 cct cca gtc cac aat gtc acc tcg gcc tca ggc tct gca tca ggc tca   681
92 Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser
93         195                 200                 205
95 gct tct act ctg gtg cac aac ggc acc tct gcc agg gct acc aca acc   729
96 Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr
97     210                 215                 220
99 cca gcc agc aag agc act cca ccc agc att ccc agc cac cac tct gat   777
100 Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp
101 225                 230                 235                 240
103 act cct acc acc ctt gcc agc cat agc acc aag act gat gcc agt agc  825
104 Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser
105                 245                 250                 255
107 act cac cat agc acg gta cct cct ctc acc tcc tcc aat cac agc act  873
108 Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr
109             260                 265                 270
111 tct ccc cag ttg tct act ggg gtc tct ttc ttt ttc ctg tct ttt cac  921
112 Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His
113         275                 280                 285
115 att tca aac ctc cag ttt aat tcc tct ctg gaa gat ccc agc acc gac  969
116 Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
117     290                 295                 300
119 tac tac caa gag ctg cag aga gac att tct gaa atg ttt ttg cag att  1017
120 Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
121 305                 310                 315                 320
123 tat aaa caa ggg ggt ttt ctg ggc ctc tcc aat att aag ttc agg cca  1065
124 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
125                 325                 330                 335
127 gga tct gtg gtg gta caa ttg act ctg gcc ttc cga gaa ggt acc atc  1113
128 Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
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RAW SEQUENCE LISTING DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

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131 aat gtc cac gac gtg gag aca cag ttc aat cag tat aaa acg gaa gca   1161
132 Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
133         355                 360                 365
135 gcc tct cga tat aac ctg acg atc tca gac gtc agc gtg agt cat gtg   1209
136 Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val
137     370                 375                 380
139 cca ttt cct ttc tct gcc cag tct ggg gct ggg gtg cca ggc tgg ggc   1257
140 Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly
141 385                 390                 395                 400
143 atc gcg ctg ctg gtg ctg gtc tgt gtt ctg gtt gcg ctg gcc att gtc   1305
144 Ile Ala Leu Leu Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val
145                 405                 410                 415
147 tat ctc att gcc ttg gct gtc tgt cag tgc cgc cga aag aac tac ggg   1353
148 Tyr Leu Ile Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly
149             420                 425                 430
151 cag ctg gac atc ttt cca gcc cgg gat acc tac cat cct atg agc gag   1401
152 Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu
153         435                 440                 445
155 tac ccc acc tac cac acc cat ggg cgc tat gtg ccc cct agc agt acc   1449
156 Tyr Pro Thr Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr
157     450                 455                 460
159 gat cgt agc ccc tat gag aag gtt tct gca ggt aat ggt ggc agc agc   1497
160 Asp Arg Ser Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser
161 465                 470                 475                 480
163 ctc tct tac aca aac cca gca gtg gca gcc act tct gcc aac ttg       1542
164 Leu Ser Tyr Thr Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
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180              20                  25                  30
182 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
183          35                  40                  45
185 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
186      50                  55                  60
188 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
189  65                  70                  75                  80
191 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
192                  85                  90                  95
194 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
195             100                 105                 110
197 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
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RAW SEQUENCE LISTING DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

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201     130                 135                 140
203 Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser
204 145                 150                 155                 160
206 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
207                 165                 170                 175
209 Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala
210             180                 185                 190
212 Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser
213         195                 200                 205
215 Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr
216     210                 215                 220
218 Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp
219 225                 230                 235                 240
221 Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser
222                 245                 250                 255
224 Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr
225             260                 265                 270
227 Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His
228         275                 280                 285
230 Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
231     290                 295                 300
233 Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
234 305                 310                 315                 320
236 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
237                 325                 330                 335
239 Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
240             340                 345                 350
242 Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
243         355                 360                 365
245 Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val
246     370                 375                 380
248 Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly
249 385                 390                 395                 400
251 Ile Ala Leu Leu Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val
252                 405                 410                 415
254 Tyr Leu Ile Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly
255             420                 425                 430
257 Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu
258         435                 440                 445
260 Tyr Pro Thr Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr
261     450                 455                 460
263 Asp Arg Ser Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser
264 465                 470                 475                 480
266 Leu Ser Tyr Thr Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
267                 485                 490                 495
271 <210> SEQ ID NO: 3
272 <211> LENGTH: 9
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RAW SEQUENCE LISTING DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

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     274 <213> ORGANISM: Homo sapiens
     276 <220> FEATURE:
     277 <221> NAME/KEY: CDS
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     280 <400> SEQUENCE: 3
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     287 <211> LENGTH: 9
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     293   1               5
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     299 <212> TYPE: PRT
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     310 <212> TYPE: PRT
     311 <213> ORGANISM: Homo sapiens
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     315   1               5
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     326   1               5
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     332 <212> TYPE: PRT
     333 <213> ORGANISM: Homo sapiens
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     337   1               5
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     342 <211> LENGTH: 9
     343 <212> TYPE: PRT
     344 <213> ORGANISM: Homo sapiens
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VERIFICATION SUMMARY DATE: 01/31/2002
PATENT APPLICATION: US/09/658,621 TIME: 20:33:25

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01312002\I658621.raw

L:278 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:3, CDS LOCATION: (58)..(1542)
L:513 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:24, CDS LOCATION: (58)..(1542)

1600

RAW SEQUENCE LISTING DATE: 01/26/2002
PATENT APPLICATION: US/09/658,621 TIME: 13:35:02

Input Set : A:\029395-017.ST25.txt
Output Set: N:\CRF3\01262002\I658621.raw

Does Not Comply
Corrected Diskette Needed

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 4 <110> APPLICANT: Taylor-Papadimitriou, Joyce
 5       Heukamp, Lukas Carl
 6       Offringa, Rienk
 7       Melief, Cornelis Johanna Maria
 8       Acres, Bruce
 9       Thomas, Mireille
11 <120> TITLE OF INVENTION: MUC-1 derived peptides
13 <130> FILE REFERENCE: 029395-017
15 <140> CURRENT APPLICATION NUMBER: US 09/658,621
16 <141> CURRENT FILING DATE: 2000-09-08
18 <150> PRIOR APPLICATION NUMBER: US 60/187,215
19 <151> PRIOR FILING DATE: 2000-03-03
21 <150> PRIOR APPLICATION NUMBER: GB 9921242.5
22 <151> PRIOR FILING DATE: 1999-09-08
24 <150> PRIOR APPLICATION NUMBER: EP 99 40 2237.4
25 <151> PRIOR FILING DATE: 1999-09-10
27 <160> NUMBER OF SEQ ID NOS: 67
29 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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 928             20                  25                  30
 930 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 931         35                  40                  45
 933 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
 934     50                  55                  60
 936 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
 937 65                  70                  75                  80
 939 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 940                 85                  90                  95
 942 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
 943             100                 105                 110
 945 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
 946         115                 120                 125
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RAW SEQUENCE LISTING DATE: 01/26/2002
PATENT APPLICATION: **US/09/658,621** TIME: 13:35:02

Input Set : **A:\029395-017.ST25.txt**
Output Set: **N:\CRF3\01262002\I658621.raw**

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952 145                 150                 155                 160
954 Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val His
955                 165                 170                 175
957 Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu
958             180                 185                 190
960 Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser Lys
961         195                 200                 205
963 Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr Thr
964     210                 215                 220
966 Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser Thr His His Ser
967 225                 230                 235                 240
969 Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln Leu
970                 245                 250                 255
972 Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu
973             260                 265                 270
975 Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu
976         275                 280                 285
978 Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
979     290                 295                 300
981 Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val
982 305                 310                 315                 320
984 Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp
985                 325                 330                 335
987 Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr
988             340                 345                 350
990 Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
991         355                 360                 365
993 Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly Ile Ala Leu Leu
994     370                 375                 380
996 Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val Tyr Leu Ile Ala
997 385                 390                 395                 400
999 Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly Gln Leu Asp Ile
1000                405                 410                 415
1002 Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu Tyr Pro Thr Tyr
1003            420                 425                 430
1005 His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr Asp Arg Ser Pro
1006        435                 440                 445
1008 Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser Leu Ser Tyr Thr
1009    450                 455                 460
1011 Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
1012 465                 470                 475
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VERIFICATION SUMMARY DATE: 01/26/2002
PATENT APPLICATION: **US/09/658,621** TIME: 13:35:03

Input Set : **A:\029395-017.ST25.txt**
Output Set: **N:\CRF3\01262002\I658621.raw**

L:278 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:3, CDS LOCATION: (58)..(1542)
L:513 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:24, CDS LOCATION: (58)..(1542)
L:923 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:67 differs:1